

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P787111

Luminaire Tested: LER6D02D010-EC6DR300210IC9050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D02D010-EC6DR300210IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 533.2 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

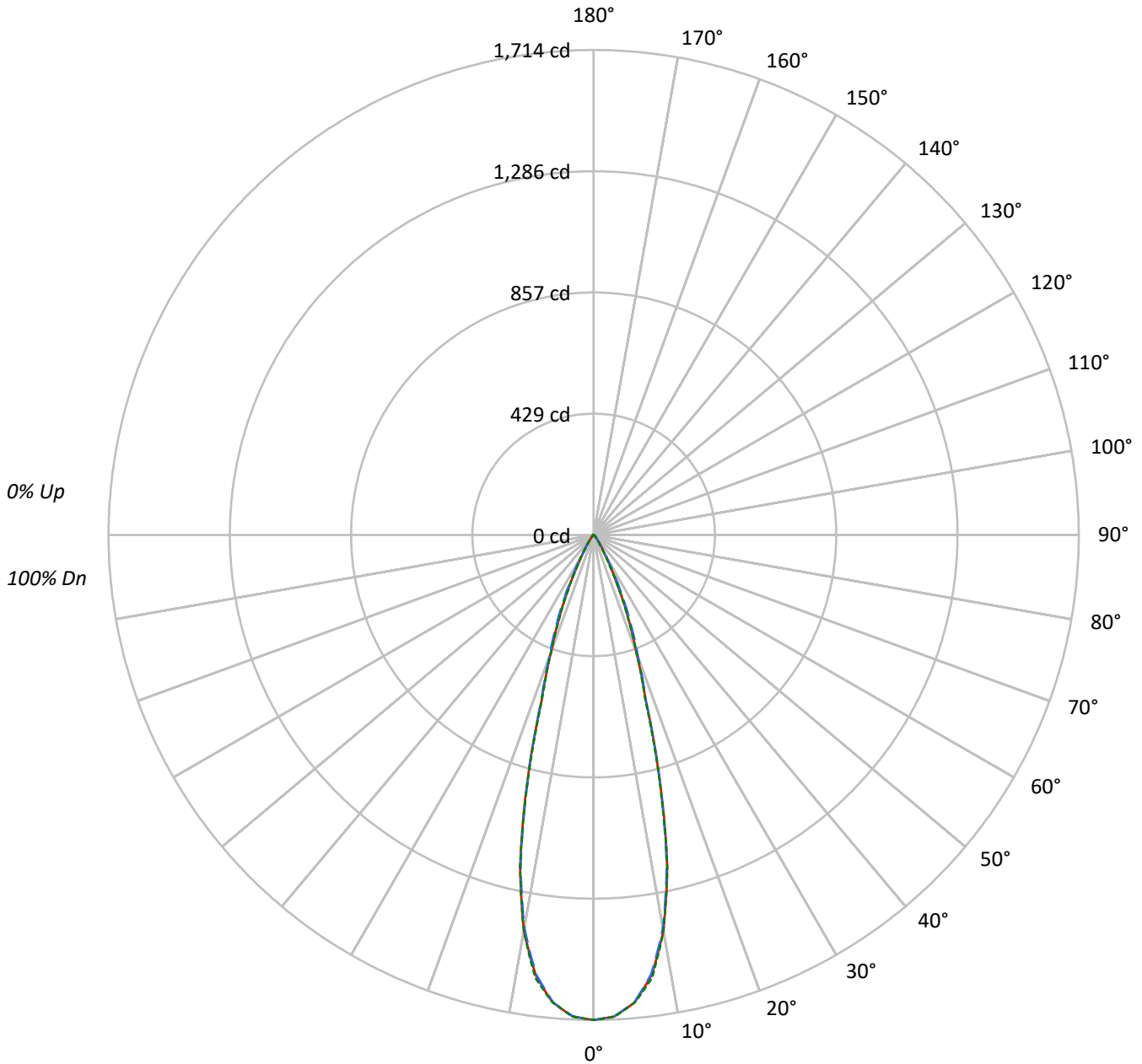


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	131234	131234	131234
5°	127463	127317	127471
10°	110407	109630	110376
15°	72032	71644	71288
20°	35816	37160	35767
25°	18040	20346	17677
30°	7221	7875	6293
35°	3355	3205	2691
40°	1449	1609	1359
45°	1018	1267	1028
50°	345	917	369
55°	200	387	214
60°	138	168	138
65°	91	91	91
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	28.3
10°-20°	242.8	45.5
20°-30°	104.9	19.7
30°-40°	23.9	4.5
40°-50°	8.2	1.5
50°-60°	2.0	0.4
60°-70°	0.5	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	498.5	93.5
0°-40°	522.4	98.0
0°-60°	532.6	99.9
0°-90°	533.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1714	1714	1714	1714	1714	
5°	1659	1657	1657	1660	1659	151
15°	909	898	904	901	900	243
25°	214	222	241	216	209	102
35°	36	37	34	34	29	24
45°	9	12	12	12	10	7
55°	2	2	3	2	2	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1714.5	1714.5	1714.5	1714.5	1714.5
2.5°	1703.1	1702.0	1702.6	1703.5	1703.8
5°	1658.9	1657.3	1657.0	1660.5	1659.0
7.5°	1569.8	1567.5	1564.1	1571.9	1579.2
10°	1420.5	1417.9	1410.5	1414.2	1420.1
12.5°	1200.0	1191.8	1191.7	1203.5	1201.9
15°	909.0	898.1	904.1	901.2	899.6
17.5°	611.3	607.1	615.2	612.7	602.2
20°	439.7	440.8	456.2	448.5	439.1
22.5°	320.9	324.8	343.1	323.2	315.8
25°	213.6	221.7	240.9	216.1	209.3
27.5°	131.4	135.1	154.5	129.7	126.0
30°	81.7	79.9	89.1	76.4	71.2
32.5°	53.6	51.3	54.2	48.7	44.4
35°	35.9	36.6	34.3	34.1	28.8
37.5°	22.4	25.8	22.7	24.2	18.5
40°	14.5	18.7	16.1	17.8	13.6
42.5°	11.9	14.4	13.2	14.1	12.1
45°	9.4	11.7	11.7	11.7	9.5
47.5°	5.2	7.8	10.0	8.0	5.6
50°	2.9	4.0	7.7	4.1	3.1
52.5°	2.0	2.3	5.3	2.4	2.1
55°	1.5	1.6	2.9	1.7	1.6
57.5°	1.2	1.3	1.5	1.3	1.2
60°	0.9	0.9	1.1	1.0	0.9
62.5°	0.7	0.7	0.8	0.7	0.7
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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